



COPY OF PAPERS
ORIGINALLY FILED

RECEIVED

SEP 09 2002

Technology Center 2100

Clean Versions of Replacement Claims

Please amend claims 1, 2, 10, 12, and 16 to conform to the following clean versions.

- A1
1. A virtual machine, comprising:
- class structure for holding one or more of a set of predefined classes for use by an application program that executes under the virtual machine;
 - class loader that obtains one or more of the predefined classes via a network and that stores the predefined classes into a memory for holding the class structure;
 - memory manager that purges selected ones of the predefined classes from the class structure so as to minimize an amount of the memory consumed by the predefined classes in the class structure and to minimize class loading activities on the network.
2. The virtual machine of claim 1, wherein the class loader obtains the predefined classes from an HTTP server that exports a set of class files containing one or more of the predefined classes.

- A2
10. The virtual machine of claim 7, wherein the memory manager purges the least recently used or the next recently used one of the predefined classes if an amount of available memory falls below a predetermined threshold level.

- A3
12. A method for class loading in a virtual machine, comprising the steps of:
- obtaining one or more of a set of predefined classes via a network;

storing the predefined classes into a class structure for use by an application program that executes under the virtual machine;

purging selected ones of the predefined classes from the class structure so as to minimize an amount of memory space consumed by the predefined classes in the class structure and to minimize class loading activities on the network.

16. A device, comprising:

memory that holds a class structure for storing one or more of a set of predefined classes for use by an application program;

processor that executes the application program and a class loader that when executed obtains one or more of the predefined classes via a network and stores the predefined classes into the class structure for use when executing the application program, the processor further executing a memory manager that when executed purges selected ones of the predefined classes from the class structure so as to minimize an amount of the memory consumed by the predefined classes in the class structure and to minimize class loading activities on the network.